

AMENDMENTS TO THE CLAIMS:

Please cancel claim 11, without prejudice or disclaimer of subject matter, and amend claims 1, 3 to 5, 10, 12, 16, and 19, as shown below. This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A workflow model comprising:
 - a workflow, the workflow including actual tasks;
 - a first matrix including first vertices, wherein values of the first vertices are determined based on interdependencies between the actual tasks;
 - a workflow view representing an abstraction of the workflow, the workflow view including virtual tasks that each correspond to at least one of the actual tasks;
 - a second matrix including second vertices, wherein values of the second vertices are determined based on virtual dependencies between the virtual tasks; and
 - an aggregate workflow compiled from the workflow and the workflow view and operable to support execution of the workflow and the workflow view within a workflow engine, the aggregated workflow including one or more aggregating routing task pairs, each routing task pair bounding a virtual task and an associated actual task such that initiation of the virtual task is based on a status of the associated actual task.
2. (Original) The workflow model of claim 1 wherein the workflow view includes a routing task for interacting with a collaborating workflow view.
3. (Currently Amended) The workflow model of claim 2 wherein ~~the aggregate workflow includes a plurality of aggregation routing task pairs, each of the aggregation routing task pairs bounding a virtual task and an associated actual task, where the aggregation routing task pairs are in series with one another and with the routing task.~~

4. (Currently Amended) The workflow model of claim 2 claim 1 wherein the aggregate workflow includes a first aggregation routing task and a second aggregation routing task.
5. (Currently Amended) The workflow model of claim 4 wherein the second routing task is connected in series with the first aggregation routing task.
6. (Original) The workflow model of claim 4 wherein the first aggregation routing task is linked by an outgoing dependency to a first virtual task and a first actual task that is associated with the first virtual task.
7. (Original) The workflow model of claim 4 wherein the second aggregation routing task is linked by an incoming dependency from a first virtual task and a last actual task that is associated with the first virtual task.
8. (Original) The workflow model of claim 1 wherein the execution includes concurrent execution of the workflow and the workflow view.
9. (Original) The workflow model of claim 1 wherein the aggregate workflow includes state transition dependencies between the actual tasks and the virtual tasks.
10. (Currently Amended) A method comprising:
modeling a workflow that includes actual tasks as a first matrix, wherein values of vertices of the first matrix are determined based on interdependencies between the actual tasks;
modeling a workflow view representing an abstraction of the workflow, the workflow view including virtual tasks as a second matrix, wherein values of vertices in the second matrix are determined based on interdependencies between the virtual tasks;
compiling a workflow the workflow view that includes the virtual tasks view tasks and the workflow including actual tasks a workflow that includes tasks, each view task virtual task corresponding to at least one actual task, into an aggregate workflow;

inserting into the aggregated workflow one or more aggregating routing task pairs, each pair configured to bound a virtual task and an associated actual task such that initiation of the virtual task is based on a status of the associated actual task; and
executing the aggregate workflow.

11. (Cancelled)
12. (Currently Amended) The method of ~~claim 11~~ claim 10 wherein inserting the plurality of one or more aggregation routing task pairs comprises arranging the aggregation routing task pairs in series with one another and with a routing task included within the workflow view for the purpose of executing the workflow view in conjunction with a second workflow view, the second workflow view associated with a second workflow.
13. (Original) The method of claim 10 wherein compiling the workflow view and the workflow comprises:
 - linking a first aggregation routing task to an input of a first view task;
 - linking a second aggregation routing task to an output of the first view task; and
 - linking a first task between the first aggregation routing task and the second aggregation routing task, for parallel execution with the first view task.
14. (Original) The method of claim 13 wherein linking the first task comprises:
 - linking the first aggregation routing task to an input of the first task; and
 - linking an output of a second task to the second aggregation routing task.
15. (Original) The method of claim 13 further comprising linking the second aggregation routing task to a routing task included within the workflow view, wherein the routing task is in communication with a secondary workflow view associated with a secondary workflow.
16. (Currently Amended) A system comprising:

a workflow modeler operable to model a workflow, the workflow including actual tasks, wherein values of vertices included in a first matrix are based on interdependencies between the actual tasks;

a view modeler operable to model a virtual workflow as an abstraction of the workflow, the virtual workflow including virtual tasks that each correspond to at least one of the actual tasks, wherein values of vertices included in a second matrix are based on interdependencies between the virtual tasks; and

a aggregation an aggregation engine operable to combine the virtual workflow and the workflow into an aggregated workflow, the aggregated workflow including one or more aggregating routing task pairs, each pair configured to bound a virtual task and an associated actual task such that initiation of the virtual tasks is based on a status of the associated actual task.

17. (Original) The system of claim 16 further comprising a workflow engine operable to enact the aggregated workflow.

18. (Original) The system of claim 17 wherein the virtual workflow includes a routing task for interacting with a collaborating virtual workflow.

19. (Currently Amended) The system of claim 18 wherein ~~the aggregation engine is operable to insert a plurality of aggregation routing task pairs into the aggregated workflow, each of the aggregation routing task pairs encompassing a virtual task and an associated actual task~~, where the aggregation routing task pairs are in series with one another and with the routing task.

20. (Original) The system of claim 17 wherein the aggregated workflow supports concurrent execution of the workflow and the workflow view.